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Suppl.1

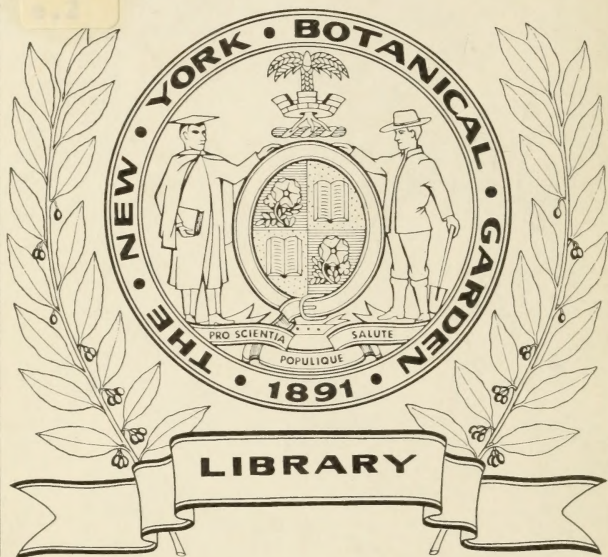
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Musci Appalachiani

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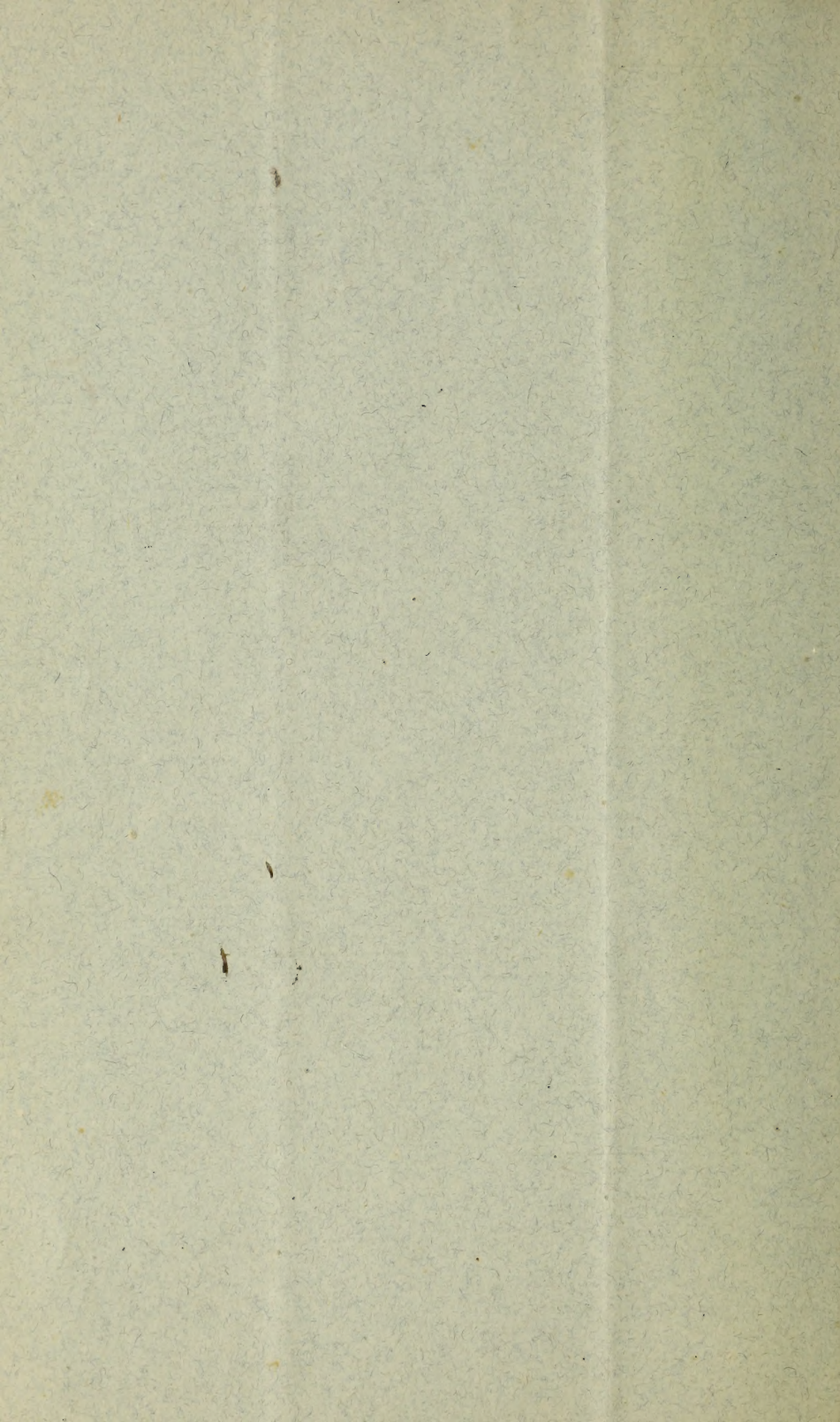
Tickets of (100) specimens of

MOSES

Collected mostly in the Eastern part of North America.

BY COE F. AUSTIN.

CLOSTER, NEW JERSEY.
1878.



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Musei Appalachiani:

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J. B. & HARRY N. PATTERSON, QUAWKA, ILLS.

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Suppl. I

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MUSCI APPALACHIANI:

SUPPLEMENT I.

451. *Sphagnum papillosum*.

LINDB. Act. Soc. Sci. Fennicæ, X, p. 280 (1872); Manip. Musc. Secundus, p. 392.

HAB. Bogs; New Brunswick, Canada, *Fowler*; New Jersey, *Austin*.

452. *Sphagnum squarrosum*.

var. *teres*. *S. teres*, ANGSTRÖM.

[The specimens given under No. 21 in most of the former sets, are from South Jersey, and belong to *Sph. molle*, SULLIV.]

HAB. British Columbia, *Macoun*. (Also near Closter, New Jersey, *Austin*.)

453. *Sphagnum serratum*.

AUST. in the Bulletin of the Torrey Botanical Club, VI, p. 145 (1877).

HAB. Marshes, Florida, *John Donnell Smith*; common.

454. *Archidium tenerrimum*.

MITT. in the Jour. of the Proc. of the Linn. Soc., VIII, n. 29, p. 17.

HAB. Florida, *J. D. Smith*.

455. *Archidium Donnellii*.

AUST., Torr. Club Bull. VI, p. 190.

HAB. Environs of Hampden, Sidney College, Prince Edward Co., Virginia, April, 1877, *John Donnell Smith*.

456. Ephemeron crassinervium.

(SCHWÆGR.)—SULLIV. Icones, p. 17, t. 8: non AUST. Exsic. nrr. 48 et 49
quæ ad *E. spinulosum*, BR. & SCH. pertinent.

HAB. Damp ground, throughout the Northern States.

457. Pleuridium Ravenelii.

AUST. Torr. Club Bull. VI, p. 142.—*Pl. subulatum*, AUCTT.
AMER. ex parte.

HAB. South Carolina, *Ravenel*; Rhode Island, *Bennett*; New
Jersey, *Austin*.

458. Pleuridium Sullivanti.

AUST. l. c.—*Pl. nervosum*, SULLIV. Icones, p. 19, t. 8; non Hook.

HAB. Aiken, South Carolina, *Ravenel*.

459. Pleuridium alternifolium, var.

HAB. Damp ground, South Carolina, *Ravenel*.

460. Bruchia Ravenelii.

WILS.—SULLIV. Icon. p. 26, t. 16.

HAB. S. Car., *Ravenel*; Alabama, *Mohr*. (Feb.)

461. Bruchia Carolinæ.

AUST. Torr. Club Bull. VI, p. 144.

HAB. Aiken, S. Car., *Ravenel*. (Feb.)

462. Bruchia brevipes.

HOOK.—SULLIV. Icon. p. 24, t. 14.

HAB. S. Car., *Ravenel*. (Feb.)

463. Bruchia Texana.

AUST. Torr. Club Bull. V, p. 21. (1874).

HAB. Texas to Virginia, *Hall*, *Ravenel*, *Smith*. (March, April.)

464. Bruchia Donnellii.

AUST. Torr. Club Bull. VI, p. 144.

HAB. Jacksonville, Florida, *J. Donnell Smith*. (Mar.)

465. Weisia Rauai.

Gymnostomum Rauanum, AUST. in Torrey Club Bulletin V, p. 21.

HAB. On clay banks, Bethlehem, Pa., *Rau*.

466. Weisia viridula,

var. australis.

HAB. Florida to Texas.

467. Dicranum gracilens.

WEB. & MOHR.—BRYOL. EUROP. t. 45 et 46.

HAB. Alpine regions of the White Mountains; also northern shore of Lake Huron, *Macoun*.

468. Dicranum debile.

HOOK. & WILS.—SULLIV. Icon. p. 33, t. 26. (**Weisia exigua**, SCHWGR.?)

HAB. S. Car., *Ravenel*; Ala., *Mohr*.

469. Dicranum subulatum.

HEDW.—BRYOL. EUROP. t. 60.

HAB. Alpine and subalpine regions of the White Mts.; common.

470. Dicranum subleucogaster.

C. MULL.—C. MOHR in Torr. Club Bull. V, p. 49.

HAB. Florida, *J. D. Smith*. (ster.)

471. Dicranum elongatum.

SCHWGR.—BRYOL. EUROP. t. 76.

HAB. Alpine and high northern regions; New England to the Rocky Mountains.

472. Dicranum fuscescens.

TURN.—BRYOL. EUROP. t. 77; sub **D. congesto**, BRID.

HAB. Mountains of Pennsylvania to New England and northward and westward.

**473. *Dicranum scoparium*,
var. *orthocarpum*.**

HAB. Woods, near Closter, N. J.

474. *Dicranum Drummondii*.

C. MULL., WILS.—SULLIV. Icon. Suppl. p. 48, t. 33.

HAB. Mountains of New York and New England; also throughout British America.

475. *Trematodon ambiguus*.

(HEDW.) HORNSCH.—BRYOL. EUROP. t. 96.

HAB. Maryland to Canada; not common.

476. *Trematodon longicollis*.

MICHX.—SULLIV. Icon. p. 31, t. 19.

HAB. Low grounds, Closter, New Jersey, rare; also in the South.

477. *Leucobryum vulgare*.

var. *minus*. *L. minus*, HAMP.

SULLIV. Mosses of the U. S. p. 24.

HAB. Southern States, common.

478. *Octoblepharum albidum*.

(LINN.)—MITT. Jour. of the Linn. Soc. Vol. XII, p. 109.

HAB. Florida, *J. D. Smith*. (Also in Texas.)

479. *Fissidens Closteri*.

AUST. in Torr. Club Bull. V, p. 21; SULLIV. Icon. Suppl. p. 44, t. 29.

HAB. On rocks along rivulets. Palisades, near Closter, New Jersey. (Aug., Sept.)

480. *Fissidens obtusifolius*.

HOOK. & WILS.—SULLIV. Icon. p. 35, t. 22.

HAB. Banks of ravines, Springfield, O., *Miss H. J. Biddlecome*.

481. *Fissidens Ravenelii*.

SULLIV. Icon. p. 39, t. 25.

HAB. S. Car., *Ravenel*; Florida, *J. D. Smith*.

*The specimens
given under
N. 98 belong
to D. undulatum*

482. Fissidens decipiens.

DE NOT.—SULLIV. Icones, Suppl. p. 46, t. 31. (*F. circinans*, SCHIMP.?)
F. rupestris, WILS.

HAB. On trunks and roots of trees, old logs, &c., in swamps.
 Florida, *J. D. Smith*, common; also near Urbana, Ohio, *Miss
 Biddlecome*.

483. Fissidens grandifrons.

BRID.—BRYOL. EUROP. t. 106.

HAB. Wet rocks, Niagara Falls and northwestward to the Rocky
 Mountains.

484. Blindia acuta.

(DILL. DICKS.)—BRYOL. EUROP. t. 114.

HAB. Mountains of New York and northward.

485. Swartzia montana.

(LAM.) LINDB.—*Distichium capillaceum*, (DICKS.)—BR. EUR. t. 193.

HAB. New Brunswick (*Fowler*) and westward to the Rocky Mts.

486. Swartzia inclinata.

HEDW.—*Distichium inclinatum*, BRYOL. EUROP. t. 194.

HAB. Lake Superior region and westward, *Macoun*.

487. Syrrhopodon Floridanus.

SULLIV. Icon. p. 49, t. 31.

HAB. Trunks of trees, old logs, &c., Florida, *J. D. Smith*.

488. Syrrhopodon Texanus.

SULLIV. Icon. Suppl. p. 32, t. 20.

HAB. Trunks of trees, old logs, &c., Florida, *J. D. Smith*.

489. Calymperes Richardi.

C. MULL.—MITT. Jour. Proc. Linn. Soc. XII, p. 127.

HAB. Trunks of trees, Florida, *J. D. Smith*.

490. Leptotrichum heteromallum.

LINDB.—AUST. in Torrey Club Bulletin VI,
p. 73 (1876)—**L. Sullivanti**, AUST. MSS.

HAB. Roadsides, &c. region of the White Mountains, common.

491. Trichostomum luridum.

HORNSCH.—BRYOL. EUROP. t. 186; sub **Didymodonte**.

HAB. Dry rocks in the region of the Great Lakes.

492. Tortula tortifolia.

JAMES ined.; sub **Trichostomo**. (**Syrrophodon tortus**, JAMES, olim.)

HAB. On coquina rocks, St. Augustine, Florida, *John Donnell Smith*.

493. Tortula Plinthobia.

SULLIV. & LESQ.—SULLIV. Icon. p. 47, t. 30; sub **Desmatodonte**.

HAB. Brick walls and pavements in the Southern States.

494. Tortula agraria.

SWARTZ.—SULLIV. Mosses of the U. S. p. 80.

HAB. West Florida, *J. D. Smith*.

495. Tortula Rauei.

AUST. in Torr. Club Bull. VI, p. 43; sub **Barbula**.

HAB. On rocks, Matagorda County, Texas, *R. G. Bechdolt*.

496. Tortula recurvifolia.

SCHIMP. Synop. p. 170.

HAB. On rocks, Hoboken, New Jersey; Suffern, Watkin's Glen and Niagara Falls, New York; also region of the Great Lakes, *Macoun*, and Colorado, *H. A. Warne*.

497. Tortula subulata.

LINN.—**T. mucronifolia**, SCHWGR.—BRYOL. EUROP. tt. 160 et 162.

HAB. Northern New York and New England and throughout British America.

498. Ptychomitrium Drummondii.

(H. & W.)—SULLIV. Icon. p. 65. t. 40.

HAB. Roots of trees, South Carolina and southern Illinois to the Gulf of Mexico.

499. Sclotheimia Sullivanii.C. MULL.—SULLIV. Icon. p. 61, t. 38. *h/i/*HAB. On trees, Florida, *J. D. Smith.***500. Grimmia Donniana.**

SMITH.—BRYOL. EUROP. t. 249.

HAB. Alpine region of the White Mountains, New Hampshire.

501. Grimmia unicolor.

GREV.—BRYOL. EUROP. t. 260.

HAB. Canada, *Macoun*; also Catskill Mts., New York, *Rau*.**502. Racomitrium fasciculare.**

(DILL.) BRID.—BRYOL. EUROP. t. 267.

HAB. Rocks in mountains; Alleghanies and northward.

503. Racomitrium canescens.

(DILL.) BRID.—BRYOL. EUROP. t. 270 et 271.

HAB. High mountains; New England to Vancouver's Island.

504. Racomitrium lanuginosum.

(DILL.) BRID.—BRYOL. EUROP. t. 269.

HAB. High mountains; New England to Vancouver's Island.

505. Discelium nudum.

(DICKS.) BRID.—BRUCH & SCHIMPER, BRYOL. EUROP. t. 297.

HAB. Clay banks, Bethlehem, Pa., *Rau*; Ohio, *Beardslee*; also Canada and westward to Vancouver's Island, *Macoun*.**506. Funaria Drummondii.**~~*Extosthodon Drummondii*, (LINDB.) SULLIV. Icon. p. 91, t. 53.~~ *n*HAB. Mobile, Alabama, *Dr. Chas. Mohr.*

507. Funaria serrata.

BEAUV.—SULLIV. Icon. p. 89, t. 54.

HAB. Texas, *Ravenel*; Alabama, *Mohr*.**508. Funaria hygrometrica.**var. *calvescens*, HEDW.—BRYOL. EUROP. t. 305.HAB. S. Car., *Ravenel*; Florida, *J. Donnell Smith*.**509. Mielichhoferia? compacta.**AUST.—*Bryum compactum*, AUST. in Bot. Gazette, II, p. 111.HAB. Alpine regions of the White Mountains, common; also Shawangunk Mountain (Sam's Point), New York, *Austin*; British America, *Macoun*: sterile.**510. Bryum elongatum.**

DICKS.—BRYOL. EUROP. t. 341, 342.

HAB. Region of the White Mountains; common. (Aug., Sept.)

511. Bryum concinnatum.

SPRUCE, C. MULL.—LINDB. Manip. Musc. Primus (1870) p. 44.

HAB. Cauterskill Falls, Catskill Mountains, *Peck*.**512. Bryum Macouni.**

AUST. in Bot. Gazette for June, 1877, p. 110.

HAB. British Columbia, *Macoun*.**513. Bryum provinciale.**

PHILIB.—SCHIMP. Synop. ed. 2.

HAB. Florida, *J. D. Smith*; common.**514. Bryum Duvalii.**VOIT.—BRYOL. EUROP. t. 371: non AUST. Exsic. n. 202, quod est *B. pallens*, SWARTZ.HAB. British Columbia, *Macoun*.**515. Mnium Drummondii.**

BRUCH & SCHIMPER.—SULLIV. Icon. p. 83, t. 51.

HAB. Mountains of New York and New England and northward and westward.

516. Rhizogonium spiniforme.

(LINN. HEDW.)—MITT. in the Jour. of the Linn. Soc. XII, p. 326.

HAB. On tussocks, etc. in the Gulf States; common.

517. Aulacomnion turgidum.

WAHLENB.—BRYOL. EUROP. t. 404.

HAB. Alpine regions of the White Mountains; sterile.

518. Meesia trichodes.(LINN.) SPRUCE.—*M. uliginosa*, HEDW.—BRYOL. EUROP. t. 308.HAB. Near Albany, New York, *Peck*; also British Columbia, *Macoun*.**519. Meesia longiseta.**

HEDW.—BRYOL. EUROP. t. 309.

HAB. Near Albany, New York, *Peck*; also British Columbia, *Macoun*; rare.**520. Paludella squarrosa.**

(LINN.) EHRH.—BRYOL. EUROP. t. 312.

HAB. Swamp near Jordansville, New York, *Peck*; also British Columbia, *Macoun*.**521. Polytrichum alpinum.**LINN.—BRYOL. EUROP. t. 418; sub *Pogonato*, BRID.HAB. Throughout British Amer. and southward in the mountains. **522. Polytrichum urnigerum.**LINN.—BRYOL. EUROP. t. 417; sub *Pogonato*.

HAB. Region of the White Mountains; very common.

523. Polytrichum capillare.MICHX.—SULLIV. Icon. p. 79, t. 49; sub *Pogonato*.

HAB. Alpine region of the White Mountains; scarce.

524. Fontinalis disticha?

H. & W.—SULLIV. Icon. p. 103, t. 63.

HAB. Rocky rivulets, Mts. of New Jersey and Pennsylvania.

525. Dichelyma pallescens.

BR. & SCH. Bryol. Europ.

HAB. On sticks, etc., margin of Oneida Lake, N. Y., *A. Barron*.**526. Cryphæa pendula.**

LESQX. ined.

HAB. Trunks of trees, Florida, *J. Donnell Smith*.**527. Leptodon trichomitrium.**var. immersus, SULLIV. Icon. p. 112.HAB. Florida, *J. D. Smith*.**528. Neckera oligocarpa.**

BR. & SCH. Bryol. Europ. t. 441.

HAB. Fissures of dry rocks, Catskill Mountains, *Austin & Rau*.**529. Neckera undulata.**

HEDW.—MITT. in the Jour. of the Linn. Soc. XII, p. 452.

HAB. Trunks of trees, West Florida, *J. D. Smith*.**530. Neckera disticha.**

SWARTZ.—MITT. l. c. p. 451.

HAB. Trunks of trees, West Florida, *J. D. Smith*.**531. Neckera cymbifolia.**(SULLIV.) C. M.—*Pilotrichum cymbifolium*, SULLIV. Icon.
p. 122, t. 76 B.HAB. Trunks of trees, West Florida, *J. D. Smith*.**532. Neckera Ludovicæ.**

C. MULL.—C. MOHR in Torr. Club Bull. V, p. 50.

HAB. Trunks of trees, West Florida, *J. D. Smith*.**533. Meteorium nigrescens.**

(SWARTZ).—MITT. in the Jour. of the Linn. Soc., XII, p. 441.

var. Donnellii.HAB. Trunks of trees, West Florida, *J. Donnell Smith*.

534. Clasmatodon parvulus.

Hook. & Wils.—SULLIV. Icon. Suppl. p. 126, t. 79.

HAB. On trees, etc. in the Southern States; common.

535. Fabronia octoblepharis.

(SLEICH.)—BRYOL. EUROP. t. 451.

HAB. On rocks and trees at the Delaware Water Gap, New Jersey, *Austin, Rau*.**536. Hookeria varians.**

SULLIV. Musci Cubensis Wrightiani (p. 285.)

HAB. On the ground, Florida, *J. D. Smith, Ravenel*.**537. Pylaisæa polyantha.**

(SCHRED.)—BRYOL. EUROP. t. 455.

HAB. On trees, Lake Superior and westward, *Macoun*; common.**538. Cyllindrothecium Drummondii.**

SCHIMP.—SULLIV. Icon. p. 148 t. 94.

HAB. Low grounds in the Southern States; common.

539. Thuidium gracile.**var. Ravenelii, S. & L.**

HAB. On the ground, etc. throughout the Southern States; very common.

540. Brachythecium reflexum.

(W. & M.)—BRYOL. EUROP. t. 539.

HAB. Rocks in the region of the White Mts.; also in the region of Lake Huron, *Mrs. Jessie Roy*.**541. Rhynchostegium demissum.****var. Marylandicum, S. & L. Exsic. ed. 2, n. 442.**

HAB. Irrigated rocks, New England and southward in the mountains.

542. *Amblystegium serpens.*
var. *longifolium.*

HAB. Marshes, Florida, *J. D. Smith.*

543. *Hypnum commutatum.*

HEDW.—BRYOL. EUROP. t. 607.

HAB. Wet rocks, Watkin's Glen, New York, *Wolle, Rau & Austin.* (Also in the Rocky Mts.)

544. *Hypnum Wrightii.*

SULLIV.—Icon. p. 209, t. 127.

HAB. Florida, *J. Donnell Smith.*

545. *Hypnum thelistegium.*

C. MULL.—MITT. in the Jour. of the Linn. Soc. XII, p. 504.

HAB. Florida, *J. Donnell Smith.*

546. *Hypnum montanum.*

WILS.—SULLIV. Icon. p. 181, t. 113.

HAB. On rocks in streams in the White Mt. region; frequent.

547. *Hypnum stamineum.*

DICKS.—BRYOL. EUROP. t. 617.

HAB. Throughout British America and in the Mts. southward.

548. *Hylocomium umbratum.*

(EHRH.)—BRYOL. EUROP. t. 488.

HAB. Throughout British America and in the high mountains of New England and New York.

549. *Hylocomium Oakesi.*

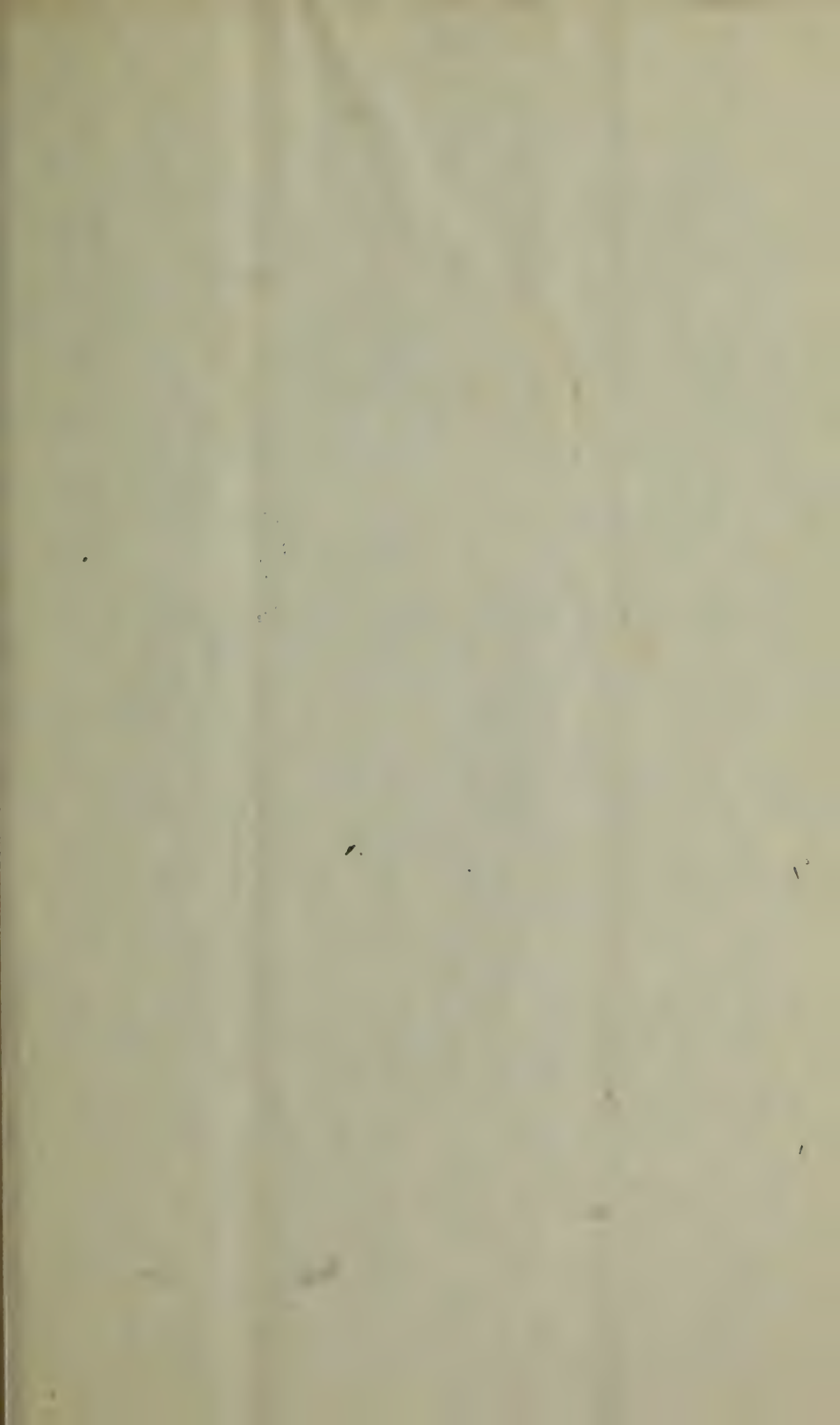
SULLIV. Icon. p. 159, t. 102.

HAB. Throughout British America and in the high mountains of New England and New York.

550. *Hylocomium squarrosum.*

(LINN.)—BRYOL. EUROP. t. 493.


HAB. Catskill and White Mountains.





A CARD.

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I propose to publish additional supplements to both the *MUSCI* and *HEPATICÆ* *Exsiccataë* which I have issued, as fast as I can accumulate the needed specimens. The supplements to comprise 100 sets of 10-50 specimens each; and I take this opportunity to cordially invite the co-operation of all American botanists.

✧  Liberal allowance will be made and due credit given, for 100 good specimens of any desired moss or hepatica.

 Except in rare mosses and those difficult to obtain, the specimens should be large and ample.

 *Musci* should be collected as soon as or a little before the capsule matures, *while the operculum* is yet present. Some species seldom or never fruit with us; these should not be neglected. *Hepaticæ* in general are best collected late in the fall, during the winter, or in early spring.—The *Jungermaniæ* about the time or a little before they send up the fruit-stalk. All are best collected before they shed their spores.

COE F. AUSTIN.

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